

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-9. (Cancelled)

10. (New) A device for determining a center of rotation of a vehicle around a vertical axis of the vehicle, comprising:

an arrangement for determining the center of rotation as a function of a yaw rate and a float angle.

11. (New) The device according to claim 10, wherein the arrangement for determining the center of rotation additionally takes into account at least one of a float angle variation and a lateral velocity.

12. (New) The device according to claim 10, further comprising a further arrangement for determining the yaw rate as a function of linear vehicle-dynamic quantities.

13. (New) The device according to claim 10, further comprising a further arrangement for determining the float angle as a function of linear vehicle-dynamic quantities.

14. (New) The device according to claim 10, further comprising a sensor system situated at a rear area of the vehicle to detect the float angle.

15. (New) The device according to claim 14, wherein the sensor system includes at least one of an optical, an ultrasound-based, a radar-based and a positioning-based system.

16. (New) The device according to claim 10, further comprising a memory in which data relating to the yaw rate and the float angle are stored, the arrangement determining the center of rotation as a function of the data.

17. (New) The device according to claim 10, wherein the device is connected to an Electronic Stability Program (ESP) so that the Electronic Stability Program (ESP) takes the center of rotation into account when determining vehicle-dynamic quantities.

18. (New) The device according to claim 10, wherein the device is connected to a passenger protection system (RHS) so that the passenger protection system (RHS) takes the center of rotation into account when activating passenger protection devices.